



Sequence

<110> Symbiotec Gesellschaft zur Erforschung und Entwicklung
auf dem Gebiet der Biotechnologie mbH

<120> Peptides for the Production of Preparations
for the Diagnosis and Therapy of Autoimmune Diseases

<130> 3642

<140> US Serial Number 09/988,165

<141> 11/19/2001

<150> US Serial Number 07/946,180

<151> 1992-09-16

<160> 31

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<211> 25

<212> PRT

<213> human

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Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala
1 5 10 15

Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys
20 25

<210> 2

<211> 25

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<213> human

<400> 2

Lys Pro Lys Ala Ala Lys Ala Arg Val Thr Lys Pro Lys Thr Ala
1 5 10 15

Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys
20 25

<210> 3

<211> 25

<212> PRT

<213> human

<400> 3

Ala Ala Lys Ala Val Lys Pro Lys Ala Ala Lys Pro Lys Val Val
1 5 10 15

Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys
20 25

<210> 4

<211> 25

<212> PRT

<213> human

<400> 4

Lys Pro Lys Ala Ala Lys Pro Lys Ser Gly Lys Pro Lys Val Thr
1 5 10 15

Lys Ala Lys Lys Ala Ala Pro Lys Lys Lys
20 25

<210> 5

<211> 25

<212> PRT

<213> human

<400> 5

Lys Pro Lys Ala Ala Lys Pro Lys Thr Ala Lys Pro Lys Ala Ala
1 5 10 15

Lys Pro Lys Ala Ala Ala Ala Lys Lys Lys
20 25

Lys Ala Lys Lys Ala Ala Ala Lys Lys Lys
20 25

Lys Pro Lys Ala Lys Lys Ala Ala Ala Lys Lys Ala
20 25

Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys
20 25 30

Arg Ser Glu Lys Glu
35

<211> 41

<213> human

Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln Val His Pro
1 5 10 15

Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn Ser Phe
20 25 30

Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu
35 40

<211> 27

<213> bovine

Ala Pro Ala Ala Pro Ala Ala Ala Pro Pro Ala Glu Lys Thr Pro
1 5 10 15

Val Lys Lys Lys Ala Ala Lys Lys Pro Ala Gly Ala
20 25

<211> 21

<213> bovine

Arg Ser Gly Val Ser Leu Ala Ala Leu Lys Lys Ala Leu Ala Ala
1 5 10 15

Ala Gly Tyr Asp Val Glu
20

<210> 12

<211> 20

<212> PRT

<213> bovine

<400> 12

Thr Lys Gly Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys Lys
1 5 10 15

Ala Ala Ser Gly Glu
20

<210> 13

<211> 41

<212> PRT

<213> bovine

<400> 13

Lys Asn Asn Ser Arg Ile Lys Leu Gly Leu Lys Ser Leu Val Ser
1 5 10 15

Lys Gly Thr Leu Val Glu Thr Lys Gly Thr Gly Ala Ser Gly Ser
20 25 30

Phe Lys Leu Asn Lys Lys Ala Ala Ser Gly Glu
35 40

<210> 14

<211> 51

<212> PRT

<213> bovine

<400> 14

Ala Leu Ala Ala Ala Gly Tyr Asp Val Glu Lys Asn Asn Ser Arg
1 5 10 15

Ile Lys Leu Gly Leu Lys Ser Leu Val Ser Lys Gly Thr Leu Val
20 25 30

Glu Thr Lys Gly Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys
35 40 45

Lys Ala Ala Ser Gly Glu
50

<210> 15

<211> 62

<212> PRT

<213> bovine

<400> 15

Arg Ser Gly Val Ser Leu Ala Ala Leu Lys Lys Ala Leu Ala Ala
1 5 10 15

Ala Gly Tyr Asp Val Glu Lys Asn Asn Ser Arg Ile Lys Leu Gly
20 25 30

Leu Lys Ser Leu Val Ser Lys Gly Thr Leu Val Glu Thr Lys Gly
35 40 45

Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys Lys Ala Ala Ser
50 55 60

Gly Glu

<210> 16

<211> 25

<212> PRT

<213> bovine

<400> 16

Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala
1 5 10 15

Lys Pro Lys Lys Ala Lys Pro Lys Lys Lys
20 25

<210> 17

<211> 35

<212> PRT

<213> bovine or human

<400> 17

Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys
1 5 10 15

Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys
20 25 30

Arg Ser Glu Lys Glu
35

<210> 18

<211> 41

<212> PRT

<213> bovine or human

<400> 18

Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln Val His Pro
1 5 10 15

Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn Ser Phe
20 25 30

Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu
35 40

<210> 19

<211> 17

<212> PRT

<213> bovine or human

<400> 19

Ala Ser Arg Leu Ala His Tyr Asn Lys Arg Ser Thr Ile Thr Ser
1 5 10 15

Arg Glu

<210> 20

<211> 12

<212> PRT

<213> bovine or human

<400> 20

Ile Gln Thr Ala Val Arg Leu Leu Leu Pro Gly Glu
1 5 10

<210> 21

<211> 8

<212> PRT

<213> bovine or human

<400> 21

Leu Ala Lys His Ala Val Ser Glu
1 5

<210> 22

<211> 12

<212> PRT

<213> bovine or human

<400> 22

Gly Thr Lys Ala Val Thr Lys Tyr Thr Ser Ser Lys
1 5 10

<210> 23

<211> 21

<212> PRT

<213> bovine or human

<400> 23

Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys
1 5 10 15

Lys Ala Val Thr Lys Ala
20

<210> 24

<211> 8

<212> PRT

<213> bovine or human

<400> 24

Ala Lys Ser Ala Pro Ala Pro Lys
1 5

<210> 25

<211> 22

<212> PRT

<213> bovine or human

<400> 25

Ser Gly Arg Gly Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys
1 5 10 15

Thr Arg Ser Ser Arg Ala Gly
20

<210> 26

<211> 129

<212> PRT

<213> bovine or human

<400> 26

Ser Gly Arg Gly Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys
1 5 10 15

Thr Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val
20 25 30

His Arg Leu Leu Arg Lys Gly Asn Tyr Ala Glu Arg Val Gly Ala
35 40 45

Gly	Ala	Pro	Val	Tyr	Leu	Ala	Ala	Val	Leu	Glu	Tyr	Leu	Thr	Ala	
				50					55					60	
Glu	Leu	Leu	Glu	Leu	Ala	Gly	Asn	Ala	Ala	Arg	Asp	Asn	Lys	Lys	
				65					70					75	
Thr	Arg	Ile	Ile	Pro	Arg	His	Leu	Gln	Leu	Ala	Ile	Arg	Asn	Asp	
				80					85					90	
Glu	Glu	Leu	Asn	Lys	Leu	Leu	Gly	Lys	Val	Thr	Ile	Ala	Gln	Gly	
				95					100					105	
Gly	Val	Leu	Pro	Asn	Ile	Gln	Ala	Val	Leu	Leu	Pro	Lys	Lys	Thr	
				110					115					120	
Glu	Ser	His	His	Lys	Ala	Lys	Gly	Lys							
				125											

<210> 27

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<212> PRT

<213> mammalian

<400> 27

Lys	Pro	Lys	Ala	Ala	
1				5	

<210> 28

<211> 5

<212> PRT

<213> mammalian

<400> 28

Lys	Pro	Lys	Lys	Ala	
1				5	

<210> 29

<211> 5

<212> PRT

<213> mammalian

<400> 29

Lys Ala Lys Lys Ala
1 5

<210> 30

<211> 5

<212> PRT

<213> mammalian

<400> 30

Ala Pro Lys Lys Lys
1 5

<210> 31

<211> 5

<212> PRT

<213> mammalian

<400> 31

Ala Ala Lys Lys Ala
1 5